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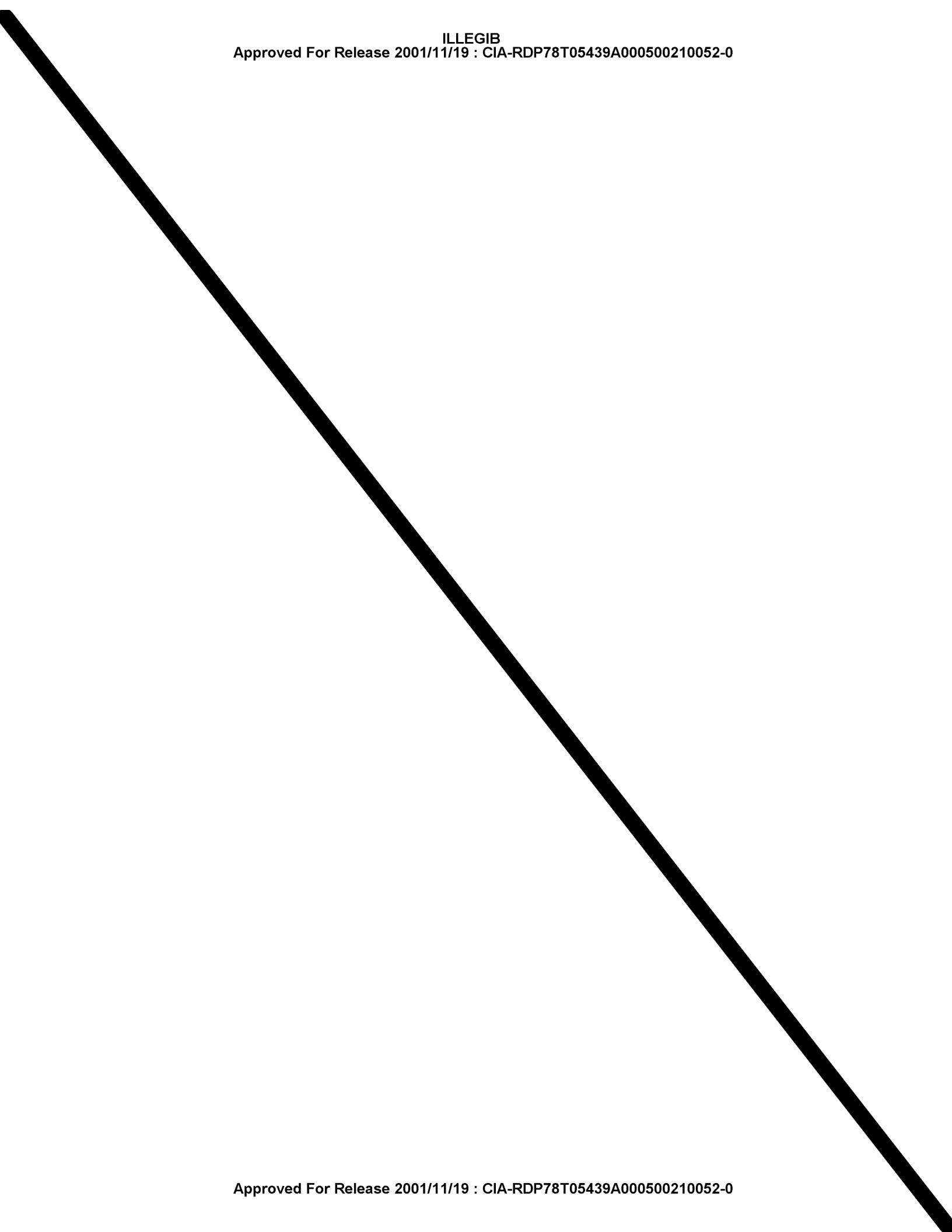

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TCS-80745/65

June 1965

PHOTOGRAPHIC INTERPRETATION REPORT

GRANOV IRBM COMPLEX, USSR LAUNCH AREA NO 3

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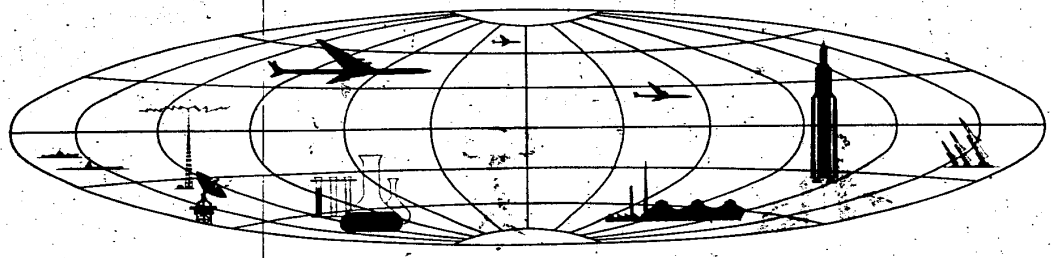

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GRANOV IRBM COMPLEX, USSR
LAUNCH AREA NO 3

25X1A

Launch Area No 1 (TDI name: Granov IRBM Launch Site 1) -- Type III 48-56-15N 29-30-30E

Launch Area No 2 (TDI name: Granov IRBM Launch Site 2) -- Type IV 48-49-30N 29-29-15E

Launch Area No 3 (TDI name: Kalnik IRBM Launch Site) -- Type IV 48-59-30N 29-22-15E B[redacted]

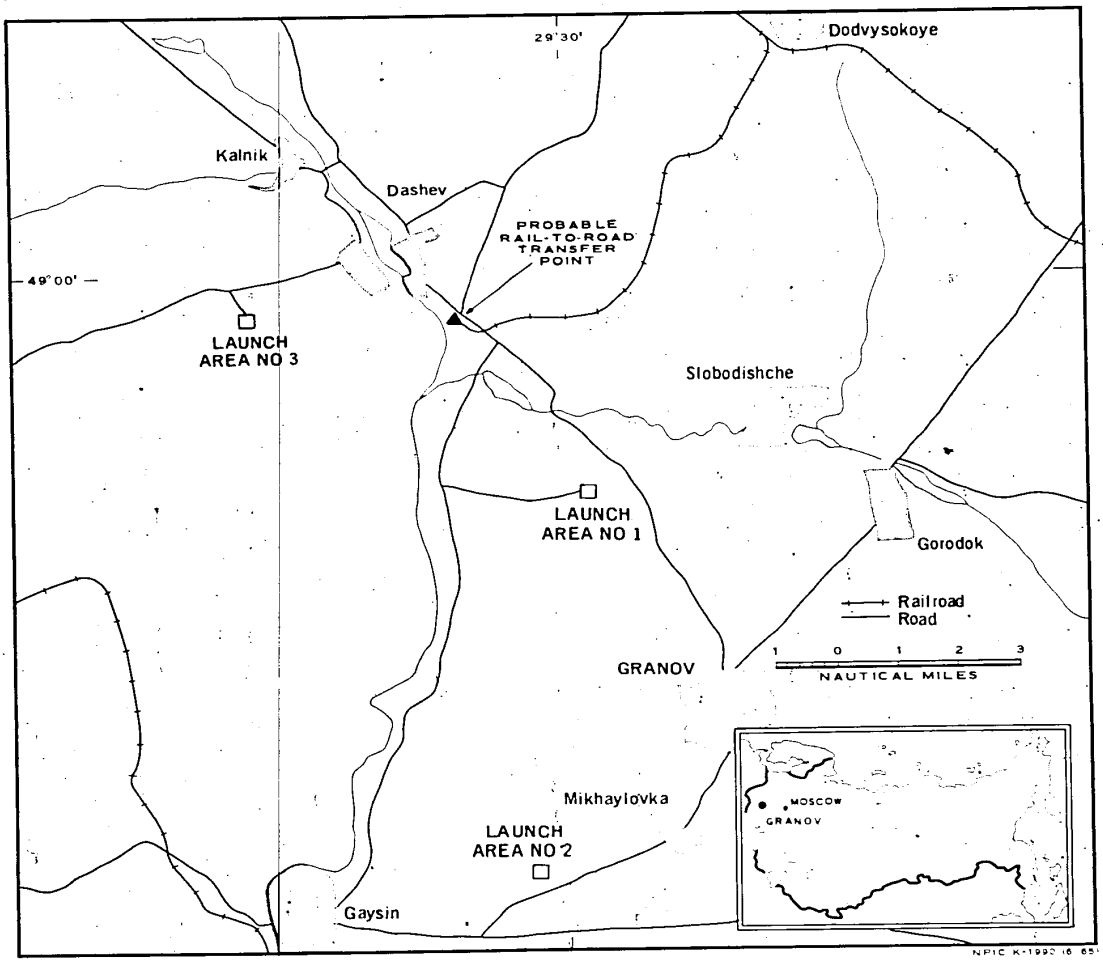

FIGURE 1. GRANOV IRBM COMPLEX, USSR.

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25X1D

This report is based on KEYHOLE photography of [redacted] 25X1D [redacted] which provides sequential observations of Granov IRBM Launch Area No 3 in various phases of construction and updates NPIC/R-455/64, 1/ which provided a detailed description of the launch site in a midstage of construction.

Launch Area No 3 is located in a wooded area just south of a main highway leading east to the town of Dashev, and then southeast to a probable rail-to-road transfer point. Launch Area No 1, a complete Type III launch area, is 6.1 nautical miles (nm) southeast of Launch Area No 3, and the second hard launch area in the complex is 11 nm south-southeast (Figure 1).

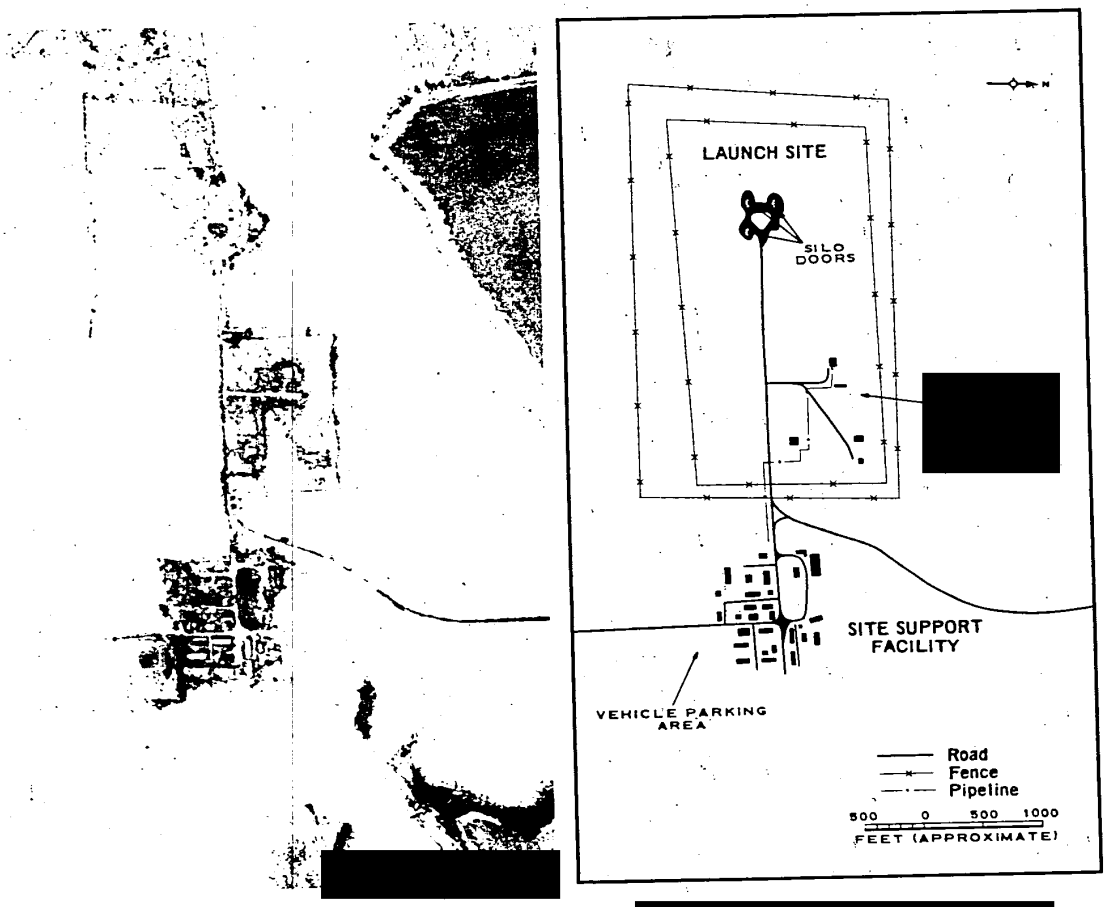
25X1D

Launch Area No 3 was first observed in a midstage of construction on [redacted] 25X1D photography [redacted] 25X1D The control bunker was observed within an excavation in the launch site; however, no excavating had been done for the silos. Approximately 9 buildings were seen in the site support facility [redacted] 25X9 25X9 25X9 [redacted] A photo mission [redacted] 25X1D [redacted] 25X1D revealed 2 additional buildings in the site support facility and [redacted] 25X1D photography revealed an additional 2 buildings and excavations for the silos in the launch site. Winter coverage of [redacted] 25X1D [redacted] 25X9 depicted the silos under construction, and clearings for facilities [redacted] 25X9 [redacted]

25X1D

25X1D

[redacted] showed the launch site still in the midstage of construction, with the control building, 3 silos and their interconnecting conduits nearly complete but not backfilled. Thirteen additional buildings, 2 of which were under construction, were added to the site support facility, for a total of 26. [redacted] 25X9 25X9 [redacted] 25X1D [redacted] 25X1D revealed the launch site in a late stage of construction, with only a small portion of the control building not earth covered, and the silos appeared complete. The 2 buildings observed under construction [redacted] 25X1D had been completed, the igloo and associated building completed but not mounded, and a parking area for vehicles and/or equipment was cleared of trees on the south side of the site support facility. 25X1D [redacted] depicts the launch site as being complete and 1 building is added to the site support facility as seen on [redacted] 25X1D [redacted] 25X1D shows an addition of 2 buildings to the site support facility and 1 additional building in the [redacted] 25X9 The most recent coverage, of [redacted] 25X1D [redacted] 25X1D, shows a total of 29 buildings in the site support facility [redacted] 25X9 handling facility. Construction appears to be continuing in the latter facility. A double fence encloses both the launch site and nuclear warhead handling facility; however, none is observed around the site support facility.



25X9

SITE SUPPORT FACILITY 25X1D

1 garage	220 x 60
1 barracks-type building	165 x 50
1 L-shaped building	115 x 70
7 barracks-type buildings	145 x 45
1 heating plant	65 x 55
1 barracks-type building	120 x 40
1 probable administration building	65 x 40
3 buildings	45 x 40
1 building	160 x 90
1 building	120 x 45
1 building	115 x 30
1 building	155 x 40
9 miscellaneous buildings	

[redacted] 25X9

1 arch-roofed building	145 x 45
1 igloo-type building	80 x 60
3 miscellaneous buildings	

FIGURE 2. LAUNCH AREA NO 3.

25X1D

REFERENCES

[redacted]

MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0233-1SHL, 3d ed, Aug 62, scale 1:200,000 (SECRET)

DOCUMENT

1. NPIC. R-455 64. *Granor IRBM Complex, USSR, Launch Area No 3*. Jun 64 (TOP SECRET RUFF)

REQUIREMENT

GMAIC. 29-5

NPIC PROJECT

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